



**T425TBC  
Throttle Body Cleaner**



**Section 1: Chemical Product and Company Identification**

**Manufacturer / Supplier:** Shrader Canada Limited  
**Address:** 830 Progress Court, Oakville, Ontario L6L 6K1  
**Revision Date:** 01/20/2011  
**Product Use:** Air intake cleaner.  
**Chemical Family:** Aromatic solvent blend.

**Section 2: Composition/Information on Ingredients**

Component Name:	%	LD50 and LC50	ACGIH TWA	Ecotoxicity - Aquatic Toxicity
Toluene 108-88-3	15-40	Inhalation LC50 Rat:12.5 mg/L 4h Oral LD50 Rat:636 mg/kg Dermal LD50 Rabbit:8390 mg/kg Inhalation LC50 Rat:26700 ppm 1h	= 50 ppm TWA Skin - potential significant contribution to overall exposure by the cutaneous route	LC50 (96 h) rainbow trout: 24.0 mg/L. Cond: static LC50 (96 h) fathead minnow: 31.7 mg/L. Cond: flow-through LC50 (96 h) fathead minnow (1 day old): 25 mg/L. Cond: flow-through LC50 (96 h) bluegill: 24.0 mg/L. Cond: static EC50 (48 h) water flea: 310 mg/L EC50 (48 h) water flea: 11.3 mg/L EC50 (30 min) Photobacterium phosphoreum : 19.7 mg/L
Xylene (mixture of isomers) 1330-20-7	10-30	Oral LD50 Rat:4300 mg/kg Inhalation LC50 Rat:5000 ppm 4h Dermal LD50 Rabbit:1700 mg/kg	= 100 ppm TWA =150 ppm STEL	LC50 (96 h) fathead minnow: 13.4 mg/L. Cond: flow-through LC50 (96 h) rainbow trout: 8.05 mg/L. Cond: flow-through LC50 (96 h) bluegill: 16.1 mg/L. Cond: flow-through EC50 (48 h) water flea: 3.82 mg/L EC50 (24 h) Photobacterium phosphoreum : 0.0084 mg/L

## Section 2: Composition/Information on Ingredients

Acetone 67-64-1	10-30	Oral LD50 Rat:1800 mg/kg Dermal LD50 Rabbit:20000 mg/kg Inhalation LC50 Rat:76 mg/L 4h	= 500 ppm TWA =750 ppm STEL	LC50 (96 h) bluegill: 8300 mg/L. Cond: static LC50 (96 h) rainbow trout: 5540 mg/L. Cond: static LC50 (96 h) fathead minnow: 6210 mg/L. Cond: flow-through LC50 (48 h) water flea: 0.0039 mg/L EC50 (48 h) water flea: 12700 mg/L
Carbon Dioxide 124-38-9	1-5	Inhalation LC50 Mouse:836 ppm 4h	= 5000 ppm TWA =30000 ppm STEL	Not Available
Methanol 67-56-1	0.1-1.0	Dermal LD50 Rabbit:15800 mg/kg Oral LD50 Rat:5628 mg/kg Inhalation LC50 Rat:64000 ppm 4h Inhalation LC50 Rat:83.2 mg/L 4h	= 200 ppm TWA =250 ppm STEL Skin - potential significant contribution to overall exposure by the cutaneous route	LC50 (48 h) trout: 8000 mg/L. Cond: LC50 (96 h) rainbow trout (fingerling): 13 mg/L. Cond: LC50 (96 h) fathead minnow (28 days old): 29400 mg/L. Cond: flow-through EC50 (5 min) Photobacterium phosphoreum : 43000 mg/L EC50 (15 min) Photobacterium phosphoreum : 40000 mg/L EC50 (25 min) Photobacterium phosphoreum : 39000 mg/L

## Section 3: Hazards Identification

<b>Ingestion:</b>	Not an anticipated route of entry during normal use, however swallowing this material can be harmful, even fatal. Ingestion of small amounts during normal handling are not likely to cause injury. Larger amounts may cause effects similar to those described under inhalation. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.
<b>Inhalation:</b>	High concentrations may cause respiratory irritation and central nervous system depression with results ranging from dizziness and headache to unconsciousness.
<b>Skin Contact:</b>	Skin irritant.
<b>Eye Contact:</b>	Direct contact causes eye irritation.
<b>Chronic Effects:</b>	Animals exposed to acetone over long periods of time developed eye and kidney damage. Chronic overexposure to toluene is associated with brain (CNS) damage, liver, kidney and blood effects. Long term exposure to high levels of methanol vapours may cause dizziness, disturbed sleep and severe recurrent headaches, impaired vision, and damage to kidneys, heart and other internal organs. Chronic overexposure to solvents such as Xylene can cause nervous system damage.

## Section 4: First Aid Measures

<b>Ingestion:</b>	Do not induce vomiting. Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or is convulsing. Drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention immediately.
<b>Inhalation:</b>	If inhaled, remove to fresh air. If breathing is difficult give oxygen. If not breathing give artificial respiration and get medical attention immediately.

## Section 4: First Aid Measures

**Skin Contact:** Thoroughly wash exposed area with soap and water. Remove contaminated clothing and laundry before reuse. Seek medical attention if irritation persists.

**Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses if any after the initial flushing and then continue flushing. Get medical attention if irritation persists.

## Section 5: Fire Fighting Measures

**Flash Point (°C):** < -5 °C (Liquid Component)  
**Flame Projection:** > 100 cm. No flashback.  
**NFPA Classification:** Aerosol, Level 3  
**Lower Explosive Limit:** Not Available  
**Upper Explosive Limit:** Not Available  
**Autoignition Temp. (°C):** Not Available

**Sensitivity to Mechanical Impact:**  
Contents under pressure. Protect against physical damage.

**Conditions of Flammability:**  
Extremely flammable. Contents under pressure. Sprayed product will project a flame on contact with an ignition source. Do not use on vehicles unless cool. Containers may explode if heated. Vapours are heavier than air and may travel or be moved along the ground to an ignition source at locations distant from material handling.

**Sensitivity to Static Discharge:**  
Take precautionary measures against static discharges, such as bonding and grounding when dispensing.

**Hazardous Combustion:**  
Carbon dioxide, carbon monoxide and other unidentified organic compounds.

**Extinguishing Media:**  
Alcohol foam or water fog for large fires. Carbon dioxide or dry chemical for small fires. Use water spray to cool fire exposed containers and prevent bursting. Do not use a direct stream of water.

## Section 6: Accidental Release Measures

**Leak or Spill Procedures:**  
Wear suitable protective clothing. Follow applicable explosion and fire precautions during the response. Stop the spill at the source when safe to do so. For large spills, dike the area to prevent spreading. Pump excess to a salvage container. Absorb residues and small spills with a non-flammable absorbent material and collect adsorbate for disposal. For large quantities refer to the environmental ministry.

## Section 7: Handling and Storage

**Handling Procedures:**  
Extremely flammable. Keep away from heat, sparks, flame and other sources of ignition. Contents under pressure. Do not use on hot vehicles. Use with adequate ventilation. Avoid breathing vapours or mist. Use good personal hygiene. Avoid smoking, eating and drinking during use. Wash with soap and water after handling. Containers of this material may contain hazardous residues when emptied. Do not cut, weld, drill or grind on or near this container.

**Storage Requirements:**  
Store in a cool, dry, well ventilated area, away from heat, ignition sources and incompatibles. Keep containers tightly closed when not in use.

## Section 8: Exposure Controls / Personal Protection

<b>Respiratory:</b>	Not normally required. If the TLV is exceeded, a NIOSH-approved respirator is advised.
<b>Gloves:</b>	Nitrile. Avoid rubber, PVC and neoprene equipment. These are attacked by toluene.
<b>Eyewear:</b>	Safety glasses. Contact lenses should not be worn. They may contribute to the severity of the injury.
<b>Clothing:</b>	Sufficient clothing to prevent skin contact.
<b>Ventilation:</b>	Sufficient mechanical ventilation to maintain exposures below the TLV. General mechanical ventilation is not recommended as the sole means of controlling exposure. Make-up air should always be supplied to balance air exhausted.
<b>Other protective equipment:</b>	Emergency showers and eyewash facilities should be nearby. The selection of personal protective equipment will vary depending on the conditions of use.

## Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Aerosol
<b>Color:</b>	Not Available
<b>Odour:</b>	Aromatic odour.
<b>Vapour Density (Air=1):</b>	> 1
<b>VOC %:</b>	75% Max.
<b>pH:</b>	Not Applicable
<b>Solubility in Water:</b>	Negligible
<b>Specific Gravity (H2O=1):</b>	0.845 @ 15°C
<b>Viscosity:</b>	< 14cSt

## Section 10: Stability and Reactivity

### Conditions of Instability:

Stable at ambient temperatures and pressures.

### Hazardous Polymerization:

Hazardous polymerization will not occur.

### Hazardous Decomposition:

See hazardous combustion products.

### Incompatible Materials:

Avoid strong oxidizers (e.g HOOH, HNO<sub>3</sub>).

### Conditions of Reactivity:

Avoid excessive heat, sparks and open flame. Avoid contact with incompatible materials.

## Section 11: Toxicological Information

### Irritancy of Product:

Moderately irritating to eyes and skin.

### Sensitization to product:

Contains no known skin or respiratory sensitizers.

### Carcinogenicity:

Contains ethylbenzene, which has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by IARC.

### Reproductive Effects:

Not Available

### Teratogenicity:

Toluene and xylene have each elicited fetotoxic effects in animals, in the absence of maternal toxicity.

**Mutagenicity:**  
Not Available

**Synergistic Products:**  
Not Available

## Section 12: Ecological Information

**Environmental:** Insoluble in water. Toxic to aquatic life. Aromatic hydrocarbons may be bioaccumulative but they have no food chain concentration potential.

**Biodegradability:** Not available.

## Section 13: Disposal Considerations

**Waste Disposal:** Contents under pressure. Do not puncture, incinerate or expose to heat even when empty. Do not dump unused contents into sewers, on the ground or into any body of water. Reuse or recycling should be given priority over disposal under any circumstances. Destroy by incineration or biological treatment according to applicable legislation. Dispose of in accordance with municipal, provincial and federal regulations.

## Section 14: Transportation Information

**Road shipment:** AEROSOLS, Class 2.1, UN1950, ERG #126.

**Marine shipment:** UN1950, AEROSOLS, Class 2.1, EmS# F-D, S-U.

**Air Shipment:** Aerosols, Flammable, Class 2.1, UN 1950, PI Y203/203.

**Exemption:** LTD QTY exemptions may be used if product is packaged in accordance with Schedule 1 of TDGR (Clear Language).

Product may be reclassified for air transportation if packaged in accordance to IATA regulations (i.e. Consumer Commodity, Class 9, ID 8000).

## Section 15: Regulatory Information

**WHMIS:** A B5 D2A D2B

**CEPA:** All components are listed on the Domestic Substances List (DSL).

**CPR Compliance:** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

## Section 16: Other Information

**HMIS Rating:** 241B

**Prepared By:** Regulatory Compliance, Shrader Canada Limited

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